



TL5 Essential HE Super 80

TL5 Essential 28W/865 1SL/40

Philips TL5 Essential Super80 is a new fluorescent lamp which provides home users and professional end-users an aesthetic miniaturized lighting solution with high reliability at low price.

Warnings and Safety

• 20,000 hours lifetime (50% survival point, 3 hour cycle) with preheat ballast which is ENEC compliant. Lifetime performance may differ on non-ENEC compliant ballasts.

Product data

General information	
Cap-Base	G5 [G5]
Life to 50% Failures Preheat (Nom)	20000 h
LSF Preheat 2000 h Rated	98 %
LSF Preheat 4000 h Rated	97 %
LSF Preheat 6000 h Rated	95 %
LSF Preheat 8000 h Rated	93 %
LSF Preheat 16000 h Rated	70 %
LSF Preheat 20000 h Rated	50 %
Light technical	
Color Code	865 [CCT of 6500K]
Luminous Flux (Nom)	2700 lm
Luminous Flux (Rated) (Nom)	2600 lm
Color Designation	Cool Daylight
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	97 lm/W
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	94 lm/W

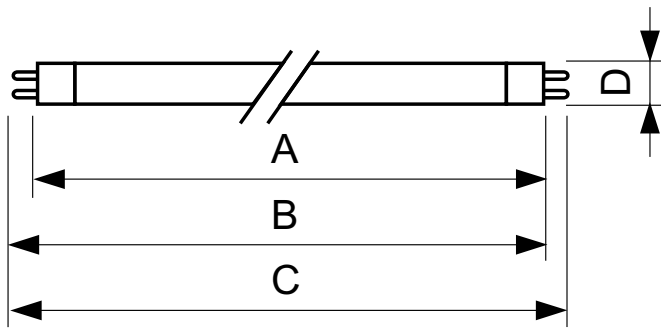
Color Rendering Index (Max)	85
Color Rendering Index (Min)	80
Color Rendering Index (Nom)	82
LLMF 2000 h Rated	94 %
LLMF 4000 h Rated	92 %
LLMF 6000 h Rated	91 %
LLMF 8000 h Rated	90 %
LLMF 12000 h Rated	88 %
LLMF 16000 h Rated	87 %
LLMF 20000 h Rated	86 %
Operating and electrical	
Power (Nom)	27.8 W
Lamp Current (Nom)	0.170 A
Temperature	
Design Temperature (Nom)	30 °C

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Controls and dimming	
Dimmable	No
Mechanical and housing	
Bulb Shape	T5 [16 mm (T5)]
Approval and application	
Mercury (Hg) Content (Nom)	2.0 mg
Energy Consumption kWh/1000 h	31 kWh
Product data	
Full product code	871150057047555

Order product name	TL5 Essential 28W/865 1SL/40
EAN/UPC - Product	8711500570475
Order code	927926786558
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927926786558
Copy Net Weight (Piece)	88.500 g

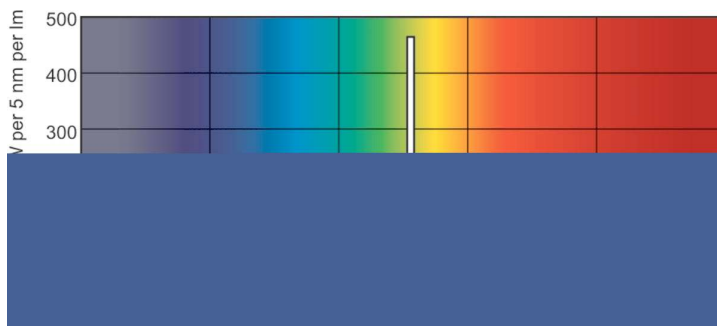
Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
TL5 Essential 28W/865 1SL/40	17.0 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

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Photometric data



LDPO_TL5ESS8_ESS_865-Spectral power distribution Colour

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